

ABSTRACT

A continuously variable transmission comprises a cone shaped member having a shaft centrally positioned therethrough and having a plurality of radially extending wings. The cone shaped member may be slidably moveable axially with respect to said drive shaft. A ring gear encircles the cone shaped member in interlocking communication. The ring gear may be enclosed by a housing and pivotable about a fixed point. A plurality of linkage arms may be pivotally connected to the radially extending wings and each said linkage arm is pivotally connected to a joining member. Each radially extending wing comprises a ledge portion for receiving a linkage arm, wherein each linkage arm comprises a slider member for slidably engaging the ledge. The transmission controls the sliding of the cone shaped member horizontally along the axis of the drive shaft, which results in a proportional angular displacement of the ring gear about the point of pivot.